

IN THE CLAIMS:

Please amend claims 1-26 and 31 as follows. Please cancel claims 27-30 without prejudice or disclaimer. Please add new claim 32 as follows.

1. (Currently Amended) A method, comprising:

indicating that a correspondent registration process needs to be performed for a mobile node for which a home network registration process has been performed or needs to be performed with its home network, thereby to register current network address of the mobile node with the home network,

wherein the correspondent registration process includes transmitting a binding update to a correspondent node of a the mobile node, wherein the binding update includes location-related information about the mobile node, and wherein the location-related information enables one of the correspondent node, or a third party to determine a geographic location of the mobile node within a certain accuracy;

authenticating the correspondent node in response to the indicating, the authenticating yielding identity information about the correspondent node;

determining whether the correspondent registration process is to be carried out, based on the identity information; and

performing the correspondent registration process when the determining indicates that the correspondent registration process is to be carried out and omitting the

correspondent registration process when the determining indicates that the correspondent registration process is not to be carried out.

2. (Currently Amended) ~~A—~~The method according to claim 1, wherein the performing performs the correspondent registration process for optimizing routing between the mobile node and the correspondent node.

3. (Currently Amended) ~~A—~~The method according to claim 1, further comprising storing security policy data in the mobile node, the security policy data indicating a set of trusted parties.

4. (Currently Amended) ~~A—~~The method according to claim 3, wherein the determining comprises comparing the identity information with the security policy data stored in the mobile node.

5. (Currently Amended) ~~A—~~The method according to claim 4, wherein the performing is carried out in response to the comparing when the comparing indicates that the correspondent node belongs to the set of trusted parties.

6. (Currently Amended) ~~A—~~The method according to claim 4, wherein the determining comprises prompting a user of the mobile node to make a decision when the

comparing indicates that the correspondent node fails to belong to the set of trusted parties, wherein the prompting comprises informing the user about the identity information.

7. (Currently Amended) A—The method according to claim 1, wherein the indicating comprises indicating that the correspondent registration process comprises the binding update according to a ~~Mobile IP~~ mobile internet protocol.

8. (Currently Amended) A—The method according to claim 7, wherein the indicating is performed in response to a predetermined event.

9. (Currently Amended) A—The method according to claim 8, wherein the indicating comprises responding to the predetermined event comprising reception of a packet routed via a home agent of the mobile node.

10. (Currently Amended) A—The method according to claim 8, wherein the indicating comprises responding to the predetermined event comprising reception of a new address for the mobile node.

11. (Currently Amended) A—The method according to claim 3, wherein the storing comprises storing the security policy data comprising high-level identifiers of trusted correspondent nodes.

12. (Currently Amended) A-The method according to claim 3, wherein the storing comprises storing the security policy data comprising rules for deciding whether the identity information represents a trusted correspondent node.

13. (Currently Amended) A-The method according to claim 1, wherein the authenticating comprises authenticating the correspondent node ~~by means of using~~ a certificate-based authentication protocol.

14. (Currently Amended) A-The method according to claim 13, wherein the authenticating comprises authenticating ~~by means of using~~ the certificate-based authentication protocol comprising an internet key exchange protocol.

15. (Currently Amended) A-The method according to claim 13, wherein the authenticating comprises authenticating ~~by means of using~~ the certificate-based authentication protocol comprising a transport layer security protocol.

16. (Currently Amended) A-The method according to claim 1, wherein the authenticating comprises authenticating ~~by means of using~~ the authenticating comprising certifying the identity information cryptographically.

17. (Currently Amended) ~~A mobile node~~ An apparatus, comprising:

~~indicator unit~~ an indicator configured to give an indication when a correspondent registration process needs to be performed[[,]];

a binding unit configured to transmit a binding update to a correspondent node,

wherein the correspondent registration comprises transmitting a binding update to the correspondent node, and wherein the binding update includes location-related information about ~~a mobile node~~ the apparatus, and wherein the location-related information enables one of the correspondent node, or a third party to determine a geographic location of the ~~mobile node~~ apparatus within a certain accuracy[[,]];

~~authentication unit~~ an authenticator configured to authenticate the correspondent node, the authentication unit being responsive to the indicator ~~unit~~ and configured to yield identity information about the correspondent node;

a location privacy decision unit, responsive to the ~~authentication unit~~ authenticator, configured to determine whether the correspondent registration process is to be performed; and

a correspondent registration unit, responsive to the location privacy decision unit, configured to carry out the correspondent registration process,

wherein the binding unit is further configured to perform a home network registration process with a home network of the apparatus, thereby to register current network address of the apparatus with the home network.

18. (Currently Amended) ~~A mobile node~~ The apparatus according to claim 17, wherein the binding unit is further configured to maintain a binding, the binding being an association of a home address of the ~~mobile node~~ apparatus with a care-of address of the ~~mobile node~~ apparatus,

wherein the correspondent node is informed of the binding when the correspondent registration process is performed.

19. (Currently Amended) ~~A mobile node~~ The apparatus according to claim 17, wherein ~~authentication unit~~ the authenticator comprises a certificate-based authentication protocol.

20. (Currently Amended) ~~A mobile node~~ The apparatus according to claim 17, wherein the ~~authentication unit~~ authenticator comprises a domain name system-based protocol for obtaining the identity information.

21. (Currently Amended) ~~A mobile node~~ The apparatus according to claim 17, wherein the location privacy decision unit comprises a security policy database, the location privacy decision unit being configured to determine, by the security policy database, whether the correspondent registration unit can be activated without consulting a user of the ~~mobile node~~ apparatus.

22. (Currently Amended) ~~A mobile node~~ The apparatus according to claim 21, wherein the location privacy decision unit further comprises a user interaction unit configured to prompt the user to make a decision on whether the correspondent registration process is to be performed.

23. (Currently Amended) ~~A mobile node~~ The apparatus according to claim 22, wherein the user interaction unit is configured to indicate the identity information to the user, the identity information comprising a high-level identifier of the correspondent node.

24. (Currently Amended) ~~A mobile node~~ The apparatus according to claim 21, wherein the security policy database comprises identifiers of trusted correspondent nodes.

25. (Currently Amended) ~~A mobile node~~ The apparatus according to claim 21, wherein the security policy database comprises rules for determining whether a given identifier represents a trusted correspondent node.

26. (Currently Amended) A system, comprising:
~~indicator means for giving an~~ indicator configured to give an indication when a correspondent registration process needs to be performed, location-related information

about a mobile node being notified to a correspondent node of the mobile node if the correspondent registration process is performed;

~~a binding means for transmitting~~ binding unit configured to transmit a binding update to the correspondent node,

wherein the correspondent registration includes transmitting a binding update to the correspondent node, and wherein the binding update includes location-related information about the mobile node, and wherein the location-related information enables one of the correspondent node, or a third party to determine a geographic location of the mobile node within a certain accuracy[[,]];

~~authentication means for authenticating an authenticator configured to authenticate the correspondent node, the authentication means authenticator being responsive to the indicator means~~ and yielding identity information about the correspondent node;

a location privacy decision means unit, responsive to the ~~authentication means authenticator, for determining~~ configured to determine, based on the identity information, whether the correspondent registration process is to be performed; and

a correspondent registration means unit, responsive to the location privacy decision ~~means unit, for carrying~~ configured to carry out the correspondent registration process,

wherein the binding unit is further configured to perform a home network registration process with a home network of the mobile node, thereby to register current network address of the mobile node with the home network.

27-30. (Cancelled)

31. (Currently Amended) An apparatus, comprising:

indicator means for giving an indication when a correspondent registration process needs to be performed, ~~location-related information about a mobile node being notified to a correspondent node of the mobile node if the address update process is performed;~~

~~a-binding means for transmitting a binding update to the correspondent node and for performing a home network registration process with a home network of the apparatus, thereby to register current network address of the apparatus with the home network,~~

wherein the correspondent registration includes transmitting a binding update to the correspondent node, and wherein the binding update includes ~~the~~ location-related information about the ~~mobile node~~ apparatus, and wherein the location-related information enables one of the correspondent node, or a third party to determine a geographic location of the ~~mobile node~~ apparatus within a certain accuracy[[,]];

authentication means for authenticating the correspondent node, the authentication means being responsive to the indicator means and yielding identity information about the correspondent node;

location privacy decision means, responsive to the authentication means, for determining whether the correspondent registration process is to be performed; and

~~address-update~~ correspondent registration means, responsive to the location privacy decision means, for carrying out the correspondent registration process.

32. (New) The apparatus according to claim 17, further comprising a mobile node.